



Federal Communications Commission

Approved by OMB
3060-0999
See instructions for
public burden estimate.

Hearing Aid Compatibility Status Report (FCC Form 655)

Reporting Period: January 1, 2017 - December 31, 2017

Filing Confirmation Number: 0008063353

Filing Deadline: January 16, 2018

FRN: 0001700616

Filing Date: 01/16/2018 01:11 PM

General Report Information

Type of Company

Service Provider

De Minimis Exception

Did you offer any handsets to subscribers in the United States during the reporting period? Yes

Have you been offering handsets in the United States for at least three years prior to the end of the reporting period? Yes

Date that you began offering handsets in the United States

Are you a small entity? Yes

Were you a small entity at any time during the three years prior to the end of the reporting period?

Date that you ceased to be a small entity?

Company Information

Company Name: Cross Telephone Company

Brand Names: Cross Wireless

PO Box: 9

Street Address:

City: Warner

State: OK

Zip Code: 74469

Contact Name: Nicholas A. Martin

Contact Phone: (918) 391-7237

Contact Fax:

Contact Email: namartin@crosstel.net

Filing Agent

Is this report being filed by an agent on behalf of a manufacturer or service provider? Yes

Agent Name: Womble Bond Dickinson (US) LLP

PO Box:

Street Address: 1200 Nineteenth St., NW, Suite 500

City: Washington

State: DC

Contact Name: Robert Silverman
Contact Phone: (202) 857-4532
Contact Fax:
Contact Email: bob.silverman@wbd-us.com

Product Labeling

Do all hearing aid-compatible handsets include labeling? Yes

Explain:

Do all hearing aid-compatible handsets that were tested under ANSI C63.19-2007, and that are capable of voice communication over any air interface or frequency band that does not have hearing aid compatibility technical standards under ANSI C63.19-2007, include the required language disclosing that the handset has not been rated for hearing aid compatibility with respect to such operation?

Yes

Explain:

Do all hearing aid-compatible handsets that were certified only under ANSI C63.19-2007, but that the manufacturer also tested and found not to meet hearing aid compatibility requirements under ANSI C63.19-2011 for one or more operations that are not covered under ANSI C63.19-2007, include language informing users by clear and effective means that the handset does not meet the relevant rating or ratings with respect to such operation(s)?

Yes

Explain:

Do all handsets that are capable of use for Voice over LTE, and that were certified for inductive coupling capability under ANSI C63.19-2011 without being tested for inductive coupling capability over VoLTE, include language disclosing that they were not tested with respect to this operation?

Yes

Explain:

Do all handsets that meet the criteria for an M3 rating by allowing the user to reduce the maximum power for GSM operation in the 1900 MHz band include the required disclosure?

Explain:

Public Website

Does your company maintain a public website describing all hearing aid-compatible models, the ratings of those models, and an explanation of the rating system? Service provider websites must include the levels of functionality that the service provider has defined, the level that each hearing aid-compatible model falls under, and an explanation of how the functionality of the handsets varies at the different levels.

Yes

Website address: <https://www.crosstel.net/hac/>

Explain:

Consumer Outreach

Describe consumer outreach efforts in the past 12 months: Compliant handset models are publicly identified for consumers and audiologists. Compliant models are listed on the company website and retail salespeople are trained to assist with compliant digital wireless phones. Compliant handsets are available for testing in retail locations. Written materials and promotional literature are provided at the point of sale and on the website, addressing the needs of individuals with hearing disabilities. Such consumers are given a thirty day trial period within which to try out digital wireless phones to determine whether they will work properly with their hearing aids.

Methodology for Functionality Levels

PDAs or smartphones generally have advanced features such as expandable memory, enhanced camera, Bluetooth,

video, Internet access, touch screen, UI, faster processing, full QWERTY keypads, and in many cases Windows Office Mobile, to meet the demands of mobile business professionals and consumers.

Mid-tier phones may have a camera, Bluetooth, or Internet access capability, but are less likely to offer video, music and media player capability. Design is typically less stylish, tends to clamshell or flip form factor.

Low-tier phones offer basic wireless telephone features, may not have a camera, Bluetooth, or Internet access capability, and generally lack such features as MP3 players and expandable memory. Typically utilitarian design suitable for customers using voice/text only, tends to be flip of bar form factor.

Report Remarks

You have reported the following handset model summary information.

Total number of handsets offered: 24

Air Interface	Fully Hearing Aid Compatible		Acoustic Coupling Compatible Only		Non-Compliant Handsets		Total by Air Interface
	Number	Percent	Number	Percent	Number	Percent	
CDMA	24	100%					24
LTE	20	100%					20
Wi-Fi	21	100%					21

Handset 1: Apple IPHONE 6S

Handset Maker

Apple

Handset Model NameFCC ID

IPHONE 6SBCG-E2946A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 2: Apple IPHONE 6S PLUS

Handset Maker

Apple

Handset Model Name

FCC ID

IPHONE 6S PLUS

BCG-E2944A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 3: Apple iPhone 7

Handset Maker

Apple

Handset Model Name

iPhone 7

FCC ID

BCG-E3085A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 4: Apple iPhone 7 Plus

Handset Maker

Apple

Handset Model Name

iPhone 7 Plus

FCC ID

BCG-E3087A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 5: Apple iPhone 8

Handset Maker

Apple

Handset Model Name

iPhone 8

FCC ID

BCG-E3159A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 09/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 6: Apple iPhone 8 Plus

Handset Maker

Apple

Handset Model Name

iPhone 8 Plus

FCC ID

BCG-E3160A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 09/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 7: Apple iPhone SE

Handset Maker

Apple

Handset Model Name

iPhone SE

FCC ID

BCG-E2945A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 8: Apple iPhone X

Handset Maker

Apple

Handset Model Name

iPhone X

FCC ID

BCG-E3161A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 11/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 9: Kyocera DuraScout ES6782L

Handset Maker

Kyocera

Handset Model Name

FCC ID

DuraScout ES6782L

V65E6782

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 10: LG AN170 Fluid II

Handset Maker

LG

Handset Model Name

AN170 Fluid II

FCC ID

ZNFVN170

Air Interfaces/Frequency Bands

850 MHz CDMA

1900 MHz CDMA

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M4

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

Low-tier

Remarks

Handset 11: Motorola Moto E

Handset Maker

Motorola

Handset Model Name

Moto E

FCC ID

IHDT56QC8

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 12: Motorola Moto E (2nd) XT1526**Handset Maker**

Motorola

Handset Model Name**FCC ID**

Moto E (2nd) XT1526

IHDT56QC7

Air Interfaces/Frequency Bands

850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 13: Samsung Core Prime

Handset Maker

Samsung

Handset Model Name

FCC ID

Core Prime

A3LSMG360V

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 14: Samsung Galaxy J3

Handset Maker

Samsung

Handset Model Name

Galaxy J3

FCC ID

A3LSMJ327V

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 06/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 15: Samsung Galaxy Note 8

Handset Maker

Samsung

Handset Model Name

Galaxy Note 8

FCC ID

A3LSMN950U

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 09/17 to 12/17

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 16: Samsung GALAXY S6

Handset Maker

Samsung

Handset Model Name

FCC ID

GALAXY S6

A3LSMG920V

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 17: Samsung GALAXY S6 EDGE

Handset Maker

Samsung

Handset Model Name

FCC ID

GALAXY S6 EDGE

A3LSMG925V

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 18: Samsung Galaxy S7

Handset Maker

Samsung

Handset Model Name

Galaxy S7

FCC ID

A3LSMG930US

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 19: Samsung Galaxy S7 Edge

Handset Maker

Samsung

Handset Model Name

Galaxy S7 Edge

FCC ID

A3LSMG935US

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 20: Samsung Galaxy S8

Handset Maker

Samsung

Handset Model Name

Galaxy S8

FCC ID

A3LSMG950U

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 06/17 to 12/17

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 21: Samsung Galaxy S8 Plus

Handset Maker

Samsung

Handset Model Name

FCC ID

Galaxy S8 Plus

A3LSMG955U

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 06/17 to 12/17

Ratings

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 22: Samsung R261 Chrono

Handset Maker

Samsung

Handset Model Name

R261 Chrono

FCC ID

A3LSCHR261

Air Interfaces/Frequency Bands

850 MHz CDMA

1900 MHz CDMA

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M4

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

Low-Tier

Remarks

Handset 23: Samsung R270

Handset Maker

Samsung

Handset Model Name

R270

FCC ID

A3LSCHR270

Air Interfaces/Frequency Bands

850 MHz CDMA

1900 MHz CDMA

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M4

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

Low-Tier

Remarks

Handset 24: SONIM XP5

Handset Maker

SONIM

Handset Model Name

XP5

FCC ID

WYPL23V013AA

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
850 MHz LTE
1900 MHz CDMA
1900 MHz LTE
2.4 GHz Wi-Fi
5.0 GHz Wi-Fi

Dates

This handset model was offered from: 01/17 to 12/17

Ratings

M-Rating: M4

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Certification

This Report has been certified by:

Robert Silverman Authorized Agent

01/16/2018 01:11 PM

Reference Copy